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Claims:

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- 1. Pressure pipe resin comprising from 90 to 99.9 wt%, based on the total weight of the resin, of a polyethylene, and from 0.1 to 10 wt%, based on the total weight of the blend, of an ionomer.
- 2. Pressure pipe resin according to claim 1 which is multimodal, preferably bimodal.
- 3. Pressure pipe resin according to claim 2 formed from a blend of (a) a polyethylene resin comprising from 35 to 60 wt% of a high molecular weight fraction having a density of up to 0.930 g/cm³ and from 40 to 65 wt% of a low molecular weight fraction having a density of at least 0.965 g/cm³, and (b) from 0.1 to 10 wt%, based on the total weight of the blend, of an ionomer.
- 4. Resin according to any preceding claim, wherein the quantity of ionomer in the blend is between 0.5 and 6 wt% based on the total weight of the blend, preferably between 1 and 5 wt%.
- 5. Resin according to claim 4, wherein the quantity of ionomer in the blend is between 1 and 2 wt% based on the total weight of the blend.
- 6. Resin according to any preceding claim, wherein the ionomer is has a polyethylene backbone and has a density of at least 0.930 g/cm³.
- 7. Resin according to any preceding claim, wherein the ionomer is a grafted metal salt of an ethylene and maleic anhydride copolymer.
- 8. Resin according to any preceding claim, wherein the polyethylene resin comprises from 35 to 49 wt% of a first polyethylene fraction of high molecular weight, and from 51 to 65 wt% of a second polyethylene fraction of low molecular weight, the first polyethylene fraction comprising a linear low density polyethylene having a

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density of up to 0.928g/cm³ and an HLMI of less than 0.6g/10min, and the second polyethylene fraction comprising a high density polyethylene having a density of at least 0.969g/cm³ and an MI₂ of greater than 100g/10min, and the polyethylene resin having a density of greater than 0.940g/cm³ and an

- 5 HLMI of from 1 to 100 g/10min.
 - 9. Pressure pipe comprising a resin as defined in any preceding claim.
 - 10. Pressure pipe according to claim 9 which has an extrapolated 20°C / 50 years stress at a 97.5% confidence level of at least 10 MPa (PE 100) according to ISO 9080.
 - 11. Use of a resin as defined in any of claims 1 to 8 in a pressure pipe.

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